



Title: FRET PROTEASE ASSAYS FOR BOTULINUM SEROTYPE A/E TOXINS

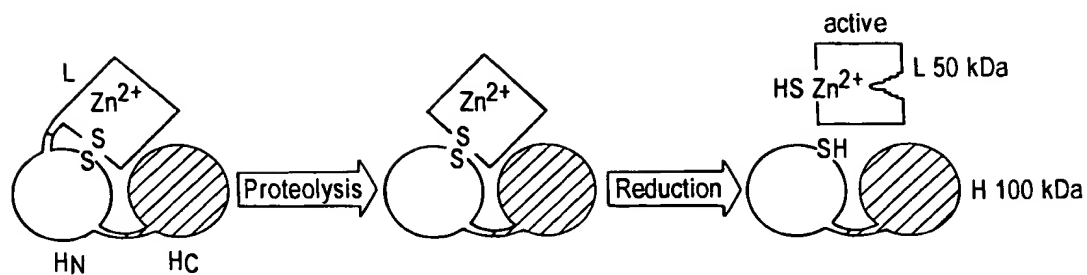
Steward, Lance E., et al.

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**FIG. 1**

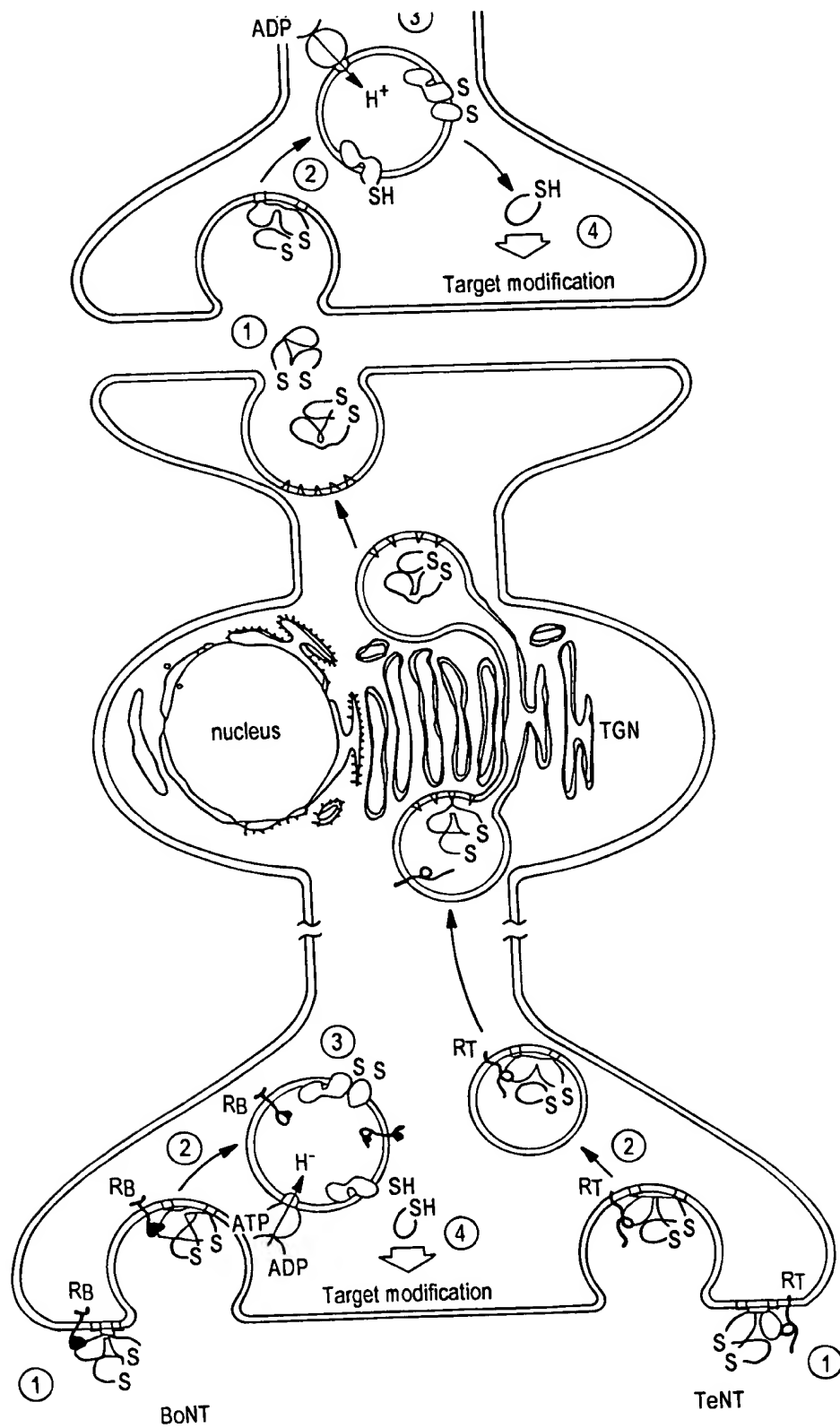


FIG. 2



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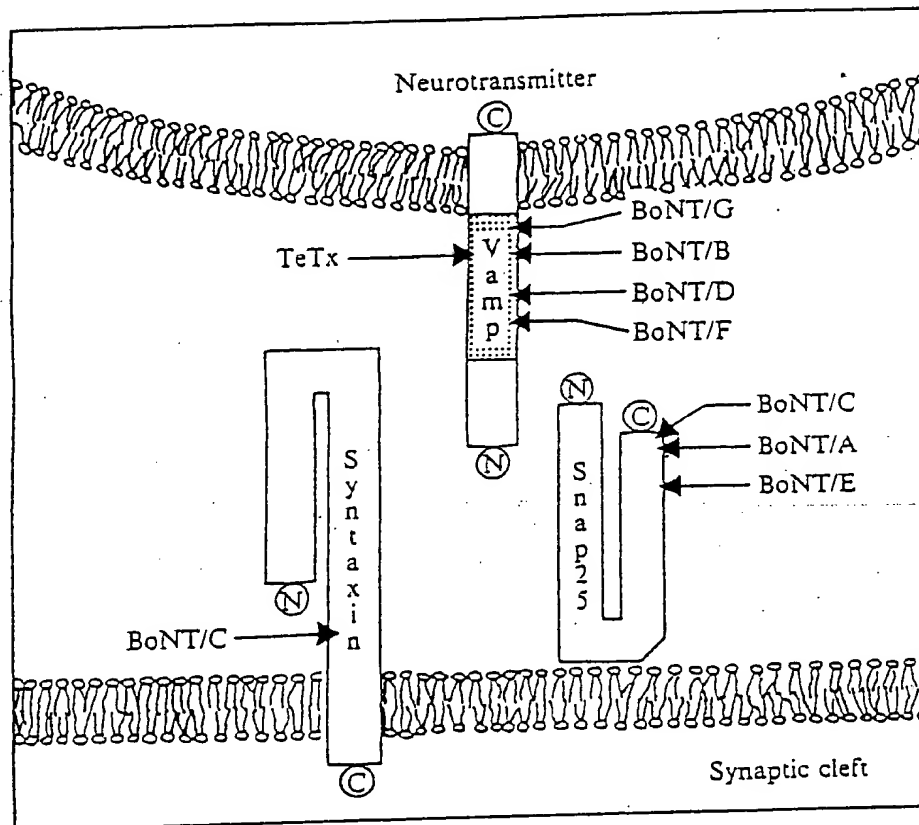


FIGURE 3

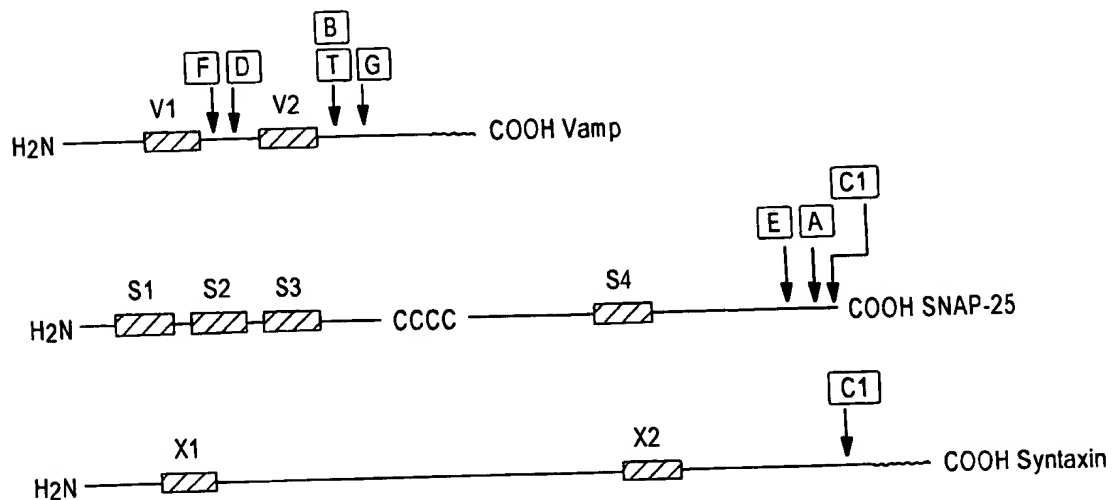


FIG. 4A

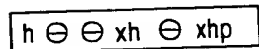


FIG. 4B

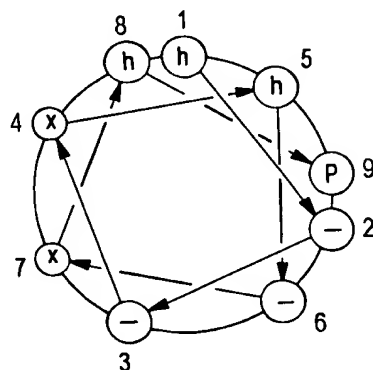


FIG. 4C





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VAMP-1 HUMAN	(1)	MSAPAQPHAEGETGTAPG-GGPPGPPNMTSNRRLLQQTQAQVEVVDDIRVNVNVDKVLERDQKLSLDDRADALQA	75
VAMP-2 HUMAN	(1)	MSATAATAPPAAPAGEGGPPAPPNLTNSRRLLQQTQAQVDEVVDIMRVNVNVDKVLERDQKLSLDDRADALQA	
VAMP-2 MOUSE	(1)	MSATAATAPPAAPAGEGGPPAPPNLTNSRRLLQQTQAQVDEVVDIMRVNVNVDKVLERDQKLSLDDRADALQA	
VAMP Bovine	(1)	MSATAATAPPAAPAGEGGPPAPPNLTNSRRLLQQTQAQVDEVVDIMRVNVNVDKVLERDQKLSLDDRADALQA	
VAMP-2 Frog	(1)	MSAPAGEPPAAPGPAQGPNNLTNSRRLLQQTQAQVDEVVDIMRVNVNVDKVLERDQKLSLDDRADALQA	
VAMP Sea Urchin	(1)	MSAPAGEPPAAPGPAQGPNNLTNSRRLLQQTQAQVDEVVDIMRVNVNVDKVLERDQKLSLDDRADALQA	
VAMP-1 HUMAN	(75)	GASQFETSAAKLKRKYWWKNCMMIMGVCALIVVVIVIVYFET	123
VAMP-2 HUMAN	(73)	GASQFETSAAKLKRKYWWKNCMMILGVICAILIIIIIVYFSS	
VAMP-2 MOUSE	(73)	GASQFETSAAKLKRKYWWKNCMMILGVICAILIIIIIVYFST	
VAMP Bovine	(73)	GASQFETSAAKLKRKYWWKNCMMILGVICAILIIIIIVYFSS	
VAMP-2 Frog	(71)	GASQFETSAAKLKRKYWWKNCMMIMGVICAILIIIIIVYFST	
VAMP Sea Urchin	(57)	GASQFETSAAKLKRKYWWKNCMMILGVICAILIIIIIVYFST	

FIG. 6

